ABSTRACT OF THE DISCLOSURE

A system and related techniques relates to the collection and analysis of clinical medical, pharmaceutical and other data by comparison against standardized or proprietary medical guidelines or standards. For instance according to the invention a hospital or set of hospital or other clinical, research or other facilities may transmit data on patient outcomes, pharmaceutical prescriptions, surgical procedures recommended and employed and other clinical, financial or other operational details to a data warehouse. That data may then be extracted for comparison and modeling against a knowledge base containing recommended medical and other practices. That dynamic modeling may for instance include projective or evidence-based forecasting of patient outcomes and other results which may ensue from changing medical and other operational policies, for instance to conform drug, surgery or other policies to best practices guidelines. A medical director, office or other may therefore model and simulate the best changes to their hospital or other operation, constrained on either side by both empirical data and standardized medical guidelines to maintain a desired quality of operation.